

Module 4 | Penetration & Delivery

Introduction

In this module, we're going to discuss external systems exploitation with a few examples to clarify the topic and approaches. We'll also touch on protocol spoofing for information extraction and password acquisition and cracking,

We're touching on a wide range of initial exploitation techniques in this lesson, followed by a homework assignment where we'll apply what we've learned.

Learning Objectives

The primary class objectives we address in this module is to *be able to (1) design and execute, and (2) defend against a malware campaign against a target* (Objective E). We also want to be able to *explain how common passwords are protected and how they can be attacked* (Objective E.c), and *enumerate the different types of malware delivery systems* (Objective E.d).

The final homework assignment will address material covered in both this and the previous module. And make sure you view the talks! you will not be prepared to address the homework assignment by just reading the slides. In this assignment, you'll design and then defend against a malware delivery system addressing two distinct scenarios. You'll describe your design and any defenses in a submitted PDF report.

Required Instructional Materials

All you'll need for this section are the video lectures and the tooling we cover. You'll need an internet connection to access, install, and read about the tools we discuss.

Summary

- This module consists of a series of video lectures and homework assignments. We reference a variety of tools and external sites and documentation you'll likely want to review. The links you need will be included in the slides.
- This module has a substantial homework assignment at the end, so please plan accordingly.